

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-189312

(43)Date of publication of application : 10.07.2001

(51)Int.Cl.

H01L 21/316
C30B 29/16
H01L 27/105
H01L 27/108
H01L 21/8242
H01L 29/78
H01L 21/8247
H01L 29/788
H01L 29/792

(21)Application number : 2000-322458

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(22)Date of filing : 23.10.2000

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(30)Priority

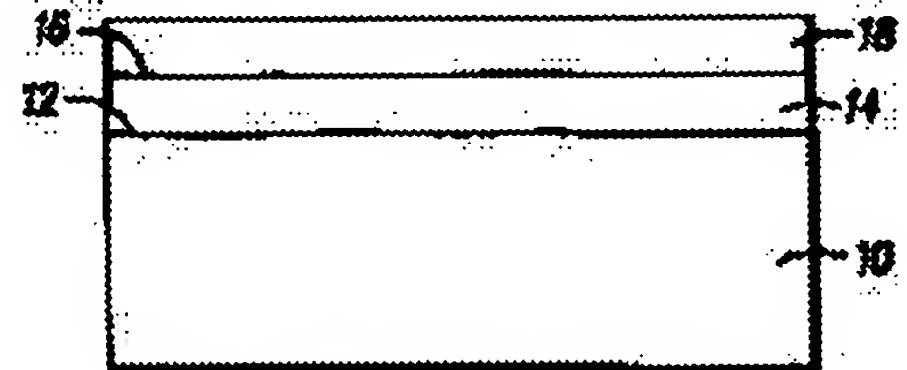
Priority number : 1999 425945 Priority date : 25.10.1999 Priority country : US

(54) METHOD OF MANUFACTURING SEMICONDUCTOR STRUCTURE HAVING METAL OXIDE INTERFACE WITH SILICON

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a method of manufacturing semiconductor structure with which a thin stable silicide interface with silicon can be manufactured.

SOLUTION: This method of manufacturing semiconductor structure comprises a step of providing a silicon substrate 10 having a surface 12, a step of forming seed layers 20 and 20' composed of silicide materials on the surface 12 of the substrate 10 by atomic layer deposition(ALD), and a step of forming one or more layers of an oxide 40 having a high dielectric constant on the seed layers 20 and 20' by atomic layer deposition(ALD).



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]